

WHAT IS CLAIMED IS:

1. An information processing apparatus comprising:  
memory means for storing inputted print command  
information; and  
5                   synthesizing means for, when said print command  
information is stored in said memory means, if an  
attribute of print command information which has  
already been stored is identical to that of said print  
command information and there is a memory area which  
10          can be stored in said memory means, synthesizing the  
print command information which has already been stored  
and said print command information and allowing  
synthesized information to be stored in said memory  
means.
- 15                 2. An apparatus according to claim 1, wherein when  
said print command information and the print command  
information which has already been stored are not  
synthesized by said synthesizing means, an intermediate  
20          language is generated from the print command  
information stored in said memory means and,  
thereafter, new print command information is stored  
into said memory means.
- 25                 3. An apparatus according to claim 1, wherein said  
print command information is supplied by executing a  
predetermined application program, intermediate

languages corresponding to one page are held on the basis of said print command information, and thereafter, a print command to a printer is generated.

5       4. An apparatus according to claim 3, wherein said print command is transmitted to said printer through a predetermined communication medium.

10      5. An apparatus according to claim 1, wherein said synthesizing means collects the print command information having the same attribute to a common header, thereby reducing an amount of data by an amount corresponding to a header size.

15      6. An apparatus according to claim 1, wherein said synthesizing means has:  
          means for obtaining draw coordinate variations of a draw object which has been held previously and a draw object which is being processed at present; and  
20      means for counting up a repetition variable in the case where said variation is the same as the previous one,  
          and when said variation is different from the previous one, a command showing the variation and a count number indicative of the repetition variable is stored into said memory means, and subsequently, a command indicative of absolute coordinates of the draw

object which is being processed at present is stored into said memory means.

7. An information processing method in an  
5 information processing apparatus, comprising:  
a synthesizing step of, when inputted print  
command information is stored in a memory of said  
information processing apparatus, if an attribute of  
print command information which has already been stored  
10 is identical to that of said print command information  
and there is a memory area which can be stored in said  
memory, synthesizing the print command information  
which has already been stored and said print command  
information and allowing synthesized information to be  
15 stored in said memory.

8. A method according to claim 7, wherein when said  
print command information and the print command  
information which has already been stored are not  
20 synthesized in said synthesizing step, an intermediate  
language is generated from the print command  
information stored in said memory and, thereafter, new  
print command information is stored into said memory.

25 9. A method according to claim 7, wherein said  
print command information is supplied by executing a  
predetermined application program, intermediate

languages corresponding to one page are held on the basis of said print command information, and thereafter, a print command to a printer is generated.

5        10. A method according to claim 9, wherein said print command is transmitted to said printer through a predetermined communication medium.

10      11. A method according to claim 7, wherein in said synthesizing step, the print command information having the same attribute is collected to a common header, thereby reducing an amount of data by an amount corresponding to a header size.

15      12. A method according to claim 7, wherein said synthesizing step has:  
          a step of obtaining draw coordinate variations of a draw object which has been held previously and a draw object which is being processed at present; and  
20      a step of counting up a repetition variable in the case where said variation is the same as the previous one,  
          and when said variation is different from the previous one, a command showing the variation and a count number indicative of the repetition variable is stored into said memory, and subsequently, a command indicative of absolute coordinates of the draw object

which is being processed at present is stored into said memory.

13. A memory medium in which a program has been  
5 stored in a form of the readable program, wherein said  
program comprises:

a synthesizing step of, when inputted print  
command information is stored in a memory, if an  
attribute of print command information which has  
10 already been stored is identical to that of said print  
command information and there is a memory area which  
can be stored in said memory, synthesizing the print  
command information which has already been stored and  
said print command information and allowing synthesized  
15 information to be stored in said memory.

14. A medium according to claim 13, when said print  
command information and the print command information  
which has already been stored are not synthesized in  
20 said synthesizing step, an intermediate language is  
generated from the print command information stored in  
said memory and, thereafter, new print command  
information is stored into said memory.

25 15. A medium according to claim 13, wherein said  
print command information is supplied by executing a  
predetermined application program, intermediate

languages corresponding to one page are held on the basis of said print command information, and thereafter, a print command to a printer is generated.

5        16. A medium according to claim 15, wherein said print command is transmitted to said printer through a predetermined communication medium.

10      17. A medium according to claim 13, wherein in said synthesizing step, the print command information having the same attribute is collected to a common header, thereby reducing an amount of data by an amount corresponding to a header size.

15      18. A medium according to claim 13, wherein said synthesizing step has:

      a step of obtaining draw coordinate variations of a draw object which has been held previously and a draw object which is being processed at present; and

20      a step of counting up a repetition variable in the case where said variation is the same as the previous one,

25      and when said variation is different from the previous one, a command showing the variation and a count number indicative of the repetition variable is stored into said memory, and subsequently, a command indicative of absolute coordinates of the draw object

which is being processed at present is stored into said memory.

19. A print control program for controlling an  
5 information processing apparatus, comprising:

a synthesizing step of, when inputted print command information is stored in a memory, if an attribute of print command information which has already been stored is identical to that of said print  
10 command information and there is a memory area which can be stored in said memory, synthesizing the print command information which has already been stored and said print command information and allowing synthesized information to be stored in said memory.

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20. A program according to claim 19, when said print command information and the print command information which has already been stored are not synthesized in said synthesizing step, an intermediate language is generated from the print command  
20 information stored in said memory and, thereafter, new print command information is stored into said memory.

25 21. A program according to claim 19, wherein said print command information is supplied by executing a predetermined application program, intermediate languages corresponding to one page are held on the

basis of said print command information, and thereafter, a print command to a printer is generated.

22. A program according to claim 21, wherein said  
5 print command is transmitted to said printer through a predetermined communication medium.

23. A program according to claim 19, wherein in  
said synthesizing step, the print command information  
10 having the same attribute is collected to a common header, thereby reducing an amount of data by an amount corresponding to a header size.

24. A program according to claim 19, wherein  
15 said synthesizing step has:  
a step of obtaining draw coordinate variations of a draw object which has been held previously and a draw object which is being processed at present; and  
a step of counting up a repetition variable in the  
20 case where said variation is the same as the previous one,

and when said variation is different from the previous one, a command showing the variation and a count number indicative of the repetition variable is  
25 stored into said memory, and subsequently, a command indicative of absolute coordinates of the draw object which is being processed at present is stored into said memory.